

BIBLIOGRAPHICAL RECORD.

Authors and Societies are requested to forward their works to the Editor at the earliest date possible. We ask our readers to inform us of the publication especially of those works which are not generally consulted by entomologists.

B. Pickman Mann.

(Continued from page 167.)

Nos. 487 to 534 are from the **Can. Entom.**, vol. vii (cont.).

* 487. W. SAUNDERS. On some of our Common Insects.
— *Drasteria erichtea*, Cram. p. 115–117, fig. 12.

Describes imago (fig.) and larva; seasons and habits. Calls it also "*Drasteria erecthea*."

* 488. L. F. HARVEY. On a New Species of *Tricopis* and *Homohadena*, and Remarks on *Homohadena induta*. p. 117–118.

Describes *Tricopis aleucis* and *Homohadena figurata* = 2 n. spp.; doubts whether *H. induta* is the species originally described as *H. retroversa*. [See Rec., No. 477.]

* 489. F. B. CAULFIELD. *Luna* and *Promethea*. p. 119.
Occurrence of *Tropaea luna* and *Callosamia promethea* at Montreal.

* 490. J. A. LINTNER. On *Lycæna neglecta*, Edw. p. 122–123.

Seasons and habitats of *Lycæna neglecta* in New York; reasons for doubting that *L. neglecta* and *L. lucia* are seasonal forms of one species. [See Rec., No. 473.]

* 491. V. T. CHAMBERS. *Tineina* from Canada. pp. 124–128, 144–147, 209–213.

Notes upon ¹*Gelechia* ("*Oecophora*") *basque*, *Coleophora auropurpuri*, *C. cretaticost*?, *Tinea tapetz*?, *T. pellion*?, *T. auropulv*, *Bucculatrix albicapit*, *Lithocolletis salicifoli*, *L. Scudder*, *Argyresthia goedart*; describes ¹*Argyresthia Belanger*, *Bucculatrix Canadensis*, *Gracilaria pulch*, *Elachista unifasci*, *Anarsia*? *albapulv*, *Gelechia albomacul*, *G. niveopulv*, *G. bicristat*, *G. Belanger*, *Leucophryne* n. g., *L. tricristat*, *Tinea marmor*, *T. minutipulv*, *T. marginimacul* = 1 n. g., 13 n. spp.; enumerates 22 species.

* 492. J. A. LINTNER. On *Orthosia ralla*, Gr. & Rob. p. 128–129.

Differences between *Orthosia* [*Xanthia*] *ralla* and *O. ferrugin[e]oides*.

* 493. G. M. DODGE. Notes on *Caloptenus spretus*. p. 133–135.

Habits, habitat, seasons and migrations of *C. spretus*.

* 494. L. F. HARVEY. New Noctuidæ. p. 135–136.

¹Every specific name ends in *ella*, omitted in the record to save space.

Describes *Tarache lactipennis*, *Ipimorpha intexta*, *Homohadena incomitata* = 3 n. spp.

* 495. W. V. ANDREWS. ——— p. 137. ——— p. 138. ——— p. 138.

Locality-list of 54 species of N. A. butterflies. Inquiry respecting the classificatory relations of *Tetracha*. Recommendations resp. the use of Cyanide of Potassium. [See Rec., No. 446 i.]

* 496. A. R. GROTE. ——— p. 138–139. ——— p. 139.

Question resp. the date of No. 11 of Strecker's *Rhopalocera* [etc.] [see Rec., No. 79]; note on *Samia columbi* and on *S. californica*. The name *Agrotis perexcellens* substituted for *A. excellens*, preoccupied.

* 497. W. SAUNDERS. *Insect Captures*. p. 139–140.

List of 9 Lepidoptera and 9 Coleoptera, taken with other insects in Essex Co., Ont., by F. C. Lowe. [See Rec., No. 417.]

* 498. R. V. ROGERS. On some of our Common Insects. — The Luna Moth — *Actias luna* Linn. p. 141–143.

Describes larva, cocoon and imago. [See Rec., No. 519.]

* 499. A. R. GROTE. Description of a New Californian *Agrotis*. p. 144.

Describes *Agrotis observabilis* n. sp.

* 500. H. K. MORRISON. On two New Species of Homoptera. p. 148–149.

Describes *Homoptera uniformis*, *H. cinerea* = 2 n. spp.

* 501. R. BUNKER. Notes on the Life History of the American Tiger Moth. p. 149–150.

Describes eggs, larva in every stage, cocoon; observations.

* 502. W. H. EDWARDS. Notes on Butterflies. p. 150–151.

Completion of the history of *Melitaea phaëton*; additions to the histories of *Phyciodes nycteis* and *Argynnis idalia*.

* 503. W. SAUNDERS. List of Neuroptera collected chiefly in the neighborhood of London, Ont. p. 152–154.

Enumerates 43 species from Ontario and 13 from other portions of Canada.

* 504. A. R. GROTE. Description of *Pachnobia orilliana*. p. 154–155.

Describes *P. orilliana* n. sp.; note on the characters of the genus; list of the 4 N. A. species.

* 505. L. F. HARVEY. Description of a New Species of *Annaphila* from California. p. 160.

Describes *Annaphila immerens* n. sp.

* 506. T. L. MEAD. Notes upon some Butterfly Eggs and Larvæ. p. 161-163.

Food-plants of *Phyciodes tharos* and *Ph. marcia*; description of young larvæ. Method of obtaining eggs of *Limenitis arthemis*; habits of larvæ. Description of eggs and of habits of young larva of *Nisoniades lucilius*?

* 507. A. R. GROTE. The Effect of the Glacial Epoch upon the Distribution of Insects in North America. p. 164-167.

Explanation of the manner in which, in temperate latitudes, the mountain relatives of boreal species may have attained their present distribution.

* 508. J. L. LECONTE. Methods of Subduing Insects Injurious to Agriculture. p. 167-172.

Statement of the measures which should be adopted by the national government; materials, apparatus and method of attack.

* 509. A. R. GROTE. On a Canadian Species of *Agrotis*. p. 172-173.

Describes *Agrotis versipellis* n. sp.

* 510. A. R. GROTE. On certain Species of Moths from Florida. p. 173-176.

Describes *Aegeria* (*Pyrrhotaenia* n. g.) *floridensis*, *Didasys* n. g., *D. Belae*, *Dahana* n. g., *D. atripennis*, *Hexeris* (n. g.) *enhydria* = 4 n. gen., 4 n. spp.; note on *Megathymus Yuccae*; enumerates 7 species.

* 511. W. SAUNDERS. Meetings of the Entomological Club of the American Association for the Advancement of Science. p. 177-185.

List of persons present; scarcity of some insects and abundance of others during the past year; measures for increasing the usefulness of State Reports; locusts as food; distribution of *Pieris rapae* and *P. protodice*; habits and parasites of *Danais archippus*; captures of rare butterflies in New York, Canada, Ohio and Michigan; sugaring for Noctuae; list of Noctuae captured at sugar, at Schenectady, N. Y., by Mr. J. A. Lintner; pita wood (*Agave americana*) as a substitute for cork for lining insect-boxes; report on nomenclature; proposal for a pronouncing list of names of insects; resolve to ignore offensive names proposed for insects; the Dimmockian process for displaying the wing-structure of Lepidoptera.

* 512. A. R. GROTE. On *Catocala Verrilliana*, with Notes on *Catocala relictæ*. p. 185-186.

Re-describes *C. Verrilliana*; varieties of *C. relictæ*.

* 513. A. R. GROTE. On New Species of *Agrotis*. p. 186-188.

Describes *A. Treati*, *A. brunneipennis*, *A. friabilis* = 3 n. spp.; notes on *A. badicollis*, *A. campestris*.

* 514. A. R. GROTE. On a New Canadian Lithophane and Scopelosoma. p. 188-189.

Describes *Lithophane Georgii*, *Scopelosoma Pettiti* = 2 n. spp.; list of (6) species of Lithophane taken at Orillia.

* 515. W. H. EDWARDS. Argynnis Myrina and its alleged Abnormal Peculiarities. p. 189-195, p. 218.

Amended history of the broods of *A. myrina* [see Ree., No. 190]; condemnation of the manner in which many old names are given to genera at the present time.

* 516. A. R. GROTE. Note on *Datana perspicua* G. & R. p. 195-196.

The validity of the species proved by new specimens.

* 517. A. R. GROTE. Notes on certain Species of Arctia. p. 196-197.

Describes *A. Michabo*, *A. Stretchii*, *A. Snowi* = 3 n. spp.; notes on *A. arge*, *A. Anna*, *A. Persephone*.

* 518. H. K. MORRISON. Description of a New *Hadena* from the White Mountains. p. 198.

Describes *Hadena ancoëconensis* n. sp.

* 519. R. V. ROGERS. The Luna Moth (*Actias luna*). p. 199-200.

Describes eggs and larvæ until the second moult. [See Ree., No. 498.]

* 520. A. R. GROTE. On a New *Euchaetes*. p. 200.

Describes *Euchaetes Spraguei* n. sp.

* 521. C. R. OSTEN SACKEN. Three New Galls of Cecidomyiæ. p. 201-202.

List of his previous publications on the galls of N. A. Cecidomyiæ; describes galls of *C. (tiliæ) verrucicola*, *C. (urticæ) urnicola*, *Asphondylia (asteris) recondita* = 3 n. spp.

* 522. A. R. GROTE. On North American Species of *Plusia*. p. 202-205.

Describes *P. monodon*, *P. pseudogamma*, *P. Dyaus*, *P. pedalis* = 4 n. spp.; list of the (39) N. A. species identified; 7 unidentified.

* 523. A. R. GROTE. On Scopelosoma and allied Genera. p. 205-207.

Describes *Eucirrhoedia* n. g., to include *E. pampina*; restricts *Xanthia* in N. A. to *X. togata (silago)*, and suggests the order of succession of the 7 allied genera. List of the (7) N. A. species of Scopelosoma. Describes *Litholomia* n. g., to include *L. [Scopelosoma] napaea*.

* 524. A. R. GROTE. *Agrotis rubifera*, N. S. p. 207.

Describes *A. rubifera* n. sp.

* 525. NAPOLEON CORNEAU. Lepidoptera collected at Godbout River, North Shore of the St. Lawrence, during the Seasons of 1874-75. p. 208.

List of 21 species of butterflies collected.

* 526. F. B. CAULFIELD. Notes on the Larva of *Catocala ilia*, Cram. p. 208-209.

Description of the larva and some of its habits.

* 527. H. K. MORRISON. Notes on an Interesting Eastern Variety of *Oncocnemis Chandleri*. p. 213-214.

Describes a variety of *O. Chandleri* as *O. riparia* n. sp.

* 528. H. K. MORRISON. Descriptions and Notes on the Noctuidæ. p. 214-216.

Describes *Caradrina meralis*, *Hadena norua* = 2 n. spp.; re-describes *Agrotis decolor (campestris)*; note on *Hadena fibulata*.

* 529. C. W. PEARSON. *Grapta Satyrus* (Edwards). p. 216-217.

Occurrence of this species near Montreal.

* 530. JOHN G. JACK. The Usefulness of Spiders. p. 218.

Destruction of injurious insects by spiders; abundance of *Clisiocampa*.

* 531. A. R. GROTE. Lepidopterological Observations. p. 221-227, with a photographic plate (i), containing 14 figures.

Describes *Nola ovilla*, *Apatela dentata*, *Mamestra Goodelli*, *Dianthoecia lustralis*, *Lygranthoecia Meskeana*, *Heliothis lupatus*, *Tarache binocula*, *Spragueia guttata*, *S. fasciatella*, *Agrotis turris* = 10 n. spp.; adds *Dilophonota merianae* to the List of U. S. Sphingidae; notes on *Apatela tritona*, *A. grisea*, "*Mamestra promulsa*" = *Anarta promulsa*, *Agrotis rufipennis* = *A. mimallonis*. The plate illustrates *Parastichtis gentilis*!, *P. perbellis*!, *P. minuscula*, *Litholomia napaea*, *Agrotis friabilis*!, *A. campestris*! = ?*A. decolor*, *A. (Matuta) Catherina*!, *A. (Pachnobia) Orilliana*! = *A. claviformis*, *A. versipellis*!, *A. badicollis*!, *A. rubifera*!, *Apatela subochrea*!, *Oligia versicolor*!, *Crocigrapha Normani*!, mostly types.

* 532. W. H. EDWARDS. An Abstract of Dr. Aug. Weismann's Paper on "The Seasonal-Dimorphism of Butterflies." [Leipzig, 1875, published by W. Engelmann.] — To which is Appended a Statement of Some Experiments made upon *Papilio Ajax*. p. 228-240.

Account of experiments made with a view to determine the facts relating to seasonal dimorphism, and from them to deduce the reasons for the phenomena. Treats of *Vanessa levana-porima-prorsa* and *Papilio ajax* = *tela-monides-Walshii-marcellus*.